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PPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/625,657	07/24/2003	Saburou Wakita	240732US3X	8903
22850 75	90 08/07/2006		EXAM	INER
C. IRVIN MCCLELLAND			TRAN, LEN	
OBLON, SPIVA	AK, MCCLELLAND, MA	IER & NEUSTADT, P.C.		
1940 DUKE STREET			ART UNIT	PAPER NUMBER
ALEXANDRIA	ALEXANDRIA, VA 22314			
			DATE MAILED: 08/07/2006	5

Please find below and/or attached an Office communication concerning this application or proceeding.

		>				
	Application No.	Applicant(s)				
Office Action Commons	10/625,657	WAKITA ET AL.				
Office Action Summary	Examiner	Art Unit				
	Len Tran	1725				
The MAILING DATE of this communication ap Period for Reply	pears on the cover sheet with t	the correspondence address				
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D. - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period. - Failure to reply within the set or extended period for reply will, by statut Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICA: 136(a). In no event, however, may a reply will apply and will expire SIX (6) MONTHS e, cause the application to become ABANI	TION. be timely filed from the mailing date of this communication. DONED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 13 J	<u>luly 2006</u> .					
2a) This action is FINAL . 2b) ⊠ Thi	This action is FINAL . 2b)⊠ This action is non-final.					
3) Since this application is in condition for allowa	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4)⊠ Claim(s) <u>1-4,6-17 and 20</u> is/are pending in the application.						
4a) Of the above claim(s) is/are withdrawn from consideration.						
5)⊠ Claim(s) <u>7 and 16</u> is/are allowed.						
6)⊠ Claim(s) <u>1-4, 6, 8-15, 17 and 20</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/	or election requirement.					
Application Papers						
9)☐ The specification is objected to by the Examin	er.					
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.						
Applicant may not request that any objection to the	•	` '				
Replacement drawing sheet(s) including the correct	, ,,,	•				
11) ☐ The oath or declaration is objected to by the E	xaminer. Note the attached O	office Action or form PTO-152.				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:						
1. Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents have been received in Application No						
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.						
Attachment(s)						
1) Notice of References Cited (PTO-892)		mary (PTO-413)				
 Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) 	_	lail Date mal Patent Application (PTO-152)				
Paper No(s)/Mail Date	6) Other:					

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DETAILED ACTION

Response to Amendment

1. Applicant's request for reconsideration of the finality of the rejection of the last Office action is persuasive and, therefore, the finality of that action is withdrawn.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 3. Claims 1-4, 6, 8-15, 17, and 20 are rejected under 35 U.S.C. 102(b) as being anticipated by JP 2000158096.

JP '096 discloses a casting apparatus comprising a die, a plate shaped heater (3), a gas supplying section (5), a lid (6), a lid moving structure (15), wherein the lid moving structure controls flow rate of inert gas. The lid is moved vertically. The molten metal used in the apparatus can be silicon. The heater is parallel to the lid. There are additional heaters below the die (abstract).

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Allowable Subject Matter

4. Claims 7 and 16 are allowed.

Response to Arguments

5. Applicant's arguments with respect to claims 1-4, 6, 8-15, 17, and 20 have been considered but are moot in view of the new ground(s) of rejection.

Inquiry

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Len Tran whose telephone number is (571) 272-1184. The examiner can normally be reached on M-F, 8:30 - 5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Ryan can be reached on 571-272-1292. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Len Tran Primary Examinet Art Unit 1725 Tente

August 3, 2006